

HISTORIC AMERICAN ENGINEERING RECORD

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Bonneville Project, Powerhouse No. 1
Columbia River
Bonneville
Multnomah County
Oregon

HAER No. OR-11-E

Bob Heims, Photographer September 1987

- OR-11-E-1 GENERAL EXTERIOR VIEW LOOKING SOUTHEAST, SHOWING DOWNSTREAM
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OR-11-E-57 DETAIL INTERIOR VIEW OF LEVEL -63 IN POWERHOUSE #1, SHOWING
UNWATERING SUMPS AT SOUTH END OF BUILDING.

Photograph Nos. OR-11-E-58 through OR-11-E-102 are photocopies of
photographs. Original historic photographs are located at the
Bonneville Powerhouse, Bonneville, Oregon.

OR-11-E-58 photographer unknown undated
TWO POTHoles LOCATED AT POWERHOUSE SITE, TO BE FILLED WITH
CONCRETE.

OR-11-E-59 photographer unknown undated
FACE OF ROCK LEDGE, SHOWING EXCAVATION FOR CENTER LINE OF
POWERHOUSE UNITS.

OR-11-E-60 photographer unknown undated
CONCRETE BEING POURED ON CENTER PORTION OF DRAFT TUBE FLOOR SLAB.

OR-11-E-61 photographer unknown undated
FIRST CONCRETE BEING POURED IN DRAFT TUBE FLOOR SLAB.

OR-11-E-62 photographer unknown undated
ERECTING FORMS, PLACING REINFORCING STEEL, AND CONCRETING DRAFT
PIER OF POWERHOUSE.

OR-11-E-63 photographer unknown undated
ERECTING STEEL AND FORMS IN PREPARATION FOR POURING CONCRETE.

OR-11-E-64 photographer unknown undated
UPSTREAM SIDE OF POWERHOUSE SUBSTRUCTURE.

OR-11-E-65 photographer unknown 26 March 1935
POURING CONCRETE IN POWERHOUSE SUBSTRUCTURE.

OR-11-E-66 photographer unknown 5 April 1935
HEAVY STEEL REINFORCEMENT IN ICE SLUICeway.

OR-11-E-67,68 photographer unknown 11 May 1935
UPSTREAM SIDE OF POWERHOUSE STRUCTURE SHOWING INTAKE PIERS.

OR-11-E-69 photographer unknown 21 May 1935
TURBINE PITS AND DOWNSTREAM PIERS, POWERHOUSE SUBSTRUCTURE.

OR-11-E-70 photographer unknown 8 August 1935
POWERHOUSE SUBSTRUCTURE SHOWING TURBINE PITS.

OR-11-E-71 photographer unknown 9 September 1935
DOWNSTREAM SIDE OF POWERHOUSE SUBSTRUCTURE, SHOWING FISHWAY AND
DRAFT TUBE OUTLETS.

OR-11-E-72 photographer unknown 22 November 1935
PLACING CONCRETE FORM FOR STATION SERVICE DRAFT TUBES.

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TOP OF DRAFT TUBE LINER AND SPEED RING PIERS.
- OR-11-E-74 photographer unknown 19 January 1936
INTAKE TUBE TO TURBINE PIT.
- OR-11-E-75 photographer unknown 13 March 1936
LOCK CHAMBER AND POWERHOUSE SUBSTRUCTURE NEARLY COMPLETE. WORK
ENCLOSED BY COFFERDAMS.
- OR-11-E-76 photographer unknown 31 March 1936
INTAKE PIERS AND SCROLL CASE TO UNIT NO. 1.
- OR-11-E-77 photographer unknown 17 April 1937
ASSEMBLING BEARING SUPPORT AND GENERATOR ROTOR FOR UNIT NO. 1.
- OR-11-E-78 photographer unknown 23 April 1937
ASSEMBLING GENERATOR FOR UNIT NO. 1.
- OR-11-E-79 photographer unknown 5 May 1937
ASSEMBLING GENERATING ROTOR FOR UNIT NO. 1.
- OR-11-E-80 photographer unknown 7 June 1937
PLACING MAIN THRUST BEARING ASSEMBLY IN UNIT NO. 2.
- OR-11-E-81 photographer unknown 11 June 1937
WORKMEN ON TURBINE BLADES BEFORE LOWERING INTO DRAFT TUBE LINER.
- OR-11-E-82 photographer unknown 12 June 1937
ASSEMBLING TURBINE AND ROTOR FOR UNITS NOS. 1 AND 2.
- OR-11-E-83 photographer unknown 16 June 1937
ASSEMBLING STATOR FOR UNIT NO. 2.
- OR-11-E-84 photographer unknown 19 June 1937
CLOSE UP, VIEW OF ROTOR FOR UNIT NO. 2.
- OR-11-E-85 photographer unknown 26 June 1937
GENERAL VIEW 55 DECK, ASSEMBLING GENERATOR ROTOR AND STATOR FOR
UNIT NO. 2.
- OR-11-E-86 photographer unknown 31 July 1937
CLOSE UP, ASSEMBLING ROTOR FOR UNIT NO. 2.
- OR-11-E-87 photographer unknown 1 September 1937
CLOSE UP, ROTOR AND STATOR IN UNIT NO. 2.
- OR-11-E-88 photographer unknown 4 September 1937
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- OR-11-E-89 photographer unknown 10 September 1937
GENERAL VIEW OF UNIT NO. 2.

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- OR-11-E-90 photographer unknown 10 September 1937
GENERAL VIEW ASSEMBLING ROTOR FOR UNIT NO. 1.
- OR-11-E-91 photographer unknown 18 September 1937
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- OR-11-E-92 photographer unknown 16 October 1937
GENERAL VIEW 55 DECK, ASSEMBLING GENERATORS FOR UNITS NOS. 1
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- OR-11-E-93 photographer unknown 20 October 1937
LIFTING ROTOR FOR UNIT NO. 1.
- OR-11-E-94 photographer unknown 20 October 1937
CLOSE UP, PLACING ROTOR FOR UNIT NO. 1.
- OR-11-E-95 photographer unknown 5 November 1937
GENERAL VIEW OF UNIT NO. 1 AND EXCITER SHAFT IN PLACE.
- OR-11-E-96 photographer unknown 27 November 1937
GENERAL VIEW 55 DECK, ASSEMBLING UNITS NOS. 1 AND 2.
- OR-11-E-97 photographer unknown 7 March 1938
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- OR-11-E-98 photographer unknown 24 May 1938
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- OR-1-E-99 photographer unknown 17 July 1939
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- OR-11-E-100 photographer unknown 29 March 1940
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- OR-11-E-101 photographer unknown 18 July 1942
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- OR-11-E-102 photographer unknown 14 December 1943
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- OR-11-E-103 Photocopy of original construction drawing, dated 12 December
1933. (Original print in the possession of U.S. Army Corps of
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- OR-11-E-104 Photocopy of original construction drawing, dated 24 October
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- OR-11-E-106 Photocopy of original construction drawing, dated 7 December 1934. (Original print in the possession of U.S. Army Corps of Engineers, Portland District, Portland, OR.) (P-5-311)
POWERHOUSE, 60,000 H.P. DRAFT TUBE DESIGN.
- OR-11-E-107 Photocopy of original construction drawing, dated 15 December 1934. (Original print in the possession of U.S. Army Corps of Engineers, Portland District, Portland, OR.) (P-5-309)
PLAN AND ELEVATION OF UNITS, SHOWING TENTATIVE LOCATION OF AUXILIARIES.
- OR-11-E-108 Photocopy of original construction drawing, dated 15 December 1934. (Original print in the possession of U.S. Army Corps of Engineers, Portland District, Portland, OR.) (P-5-310, Sheet 2 of 2)
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- OR-11-E-109 Photocopy of original construction drawing, dated 10 January 1935. (Original print in the possession of U.S. Army Corps of Engineers, Portland District, Portland, OR.) (T-3-7)
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- OR-11-E-114 Photocopy of original construction drawing, dated 25 April 1935. (Original print in the possession of U.S. Army Corps of Engineers, Portland District, Portland, OR.) (P-10-61)
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(Original print in the possession of U.S. Army Corps of
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(Original print in the possession of U.S. Army Corps of
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(Original print in the possession of U.S. Army Corps of
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(Original print in the possession of U.S. Army Corps of
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- OR-11-E-119 Photocopy of original construction drawing, dated 10 June 1935.
(Original print in the possession of U.S. Army Corps of
Engineers, Portland District, Portland, OR.) (P-10-58)
PLAN SECTION AT EL. +12.5.
- OR-11-E-120 Photocopy of original construction drawing, dated 13 June 1935.
(Original print in the possession of U.S. Army Corps of
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(Original print in the possession of U.S. Army Corps of
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(Original print in the possession of U.S. Army Corps of
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- OR-11-E-124 Photocopy of original construction drawing, dated 12 October
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- OR-11-E-125 Photocopy of original construction drawing, dated 15 October 1935. (Original print in the possession of U.S. Army Corps of Engineers, Portland District, Portland, OR.) (P-5-261)
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- OR-11-E-126 Photocopy of original construction drawing, dated 27 November 1935. (Original print in the possession of U.S. Army Corps of Engineers, Portland District, Portland, OR.) (P-12-14)
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- OR-11-E-127 Photocopy of original construction drawing, dated 2 December 1935. (Original print in the possession of U.S. Army Corps of Engineers, Portland District, Portland, OR.) (P-12-13)
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- OR-11-E-128 Photocopy of original construction drawing, dated 24 February 1936. (Original print in the possession of U.S. Army Corps of Engineers, Portland District, Portland, OR.) (P-12-23)
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- OR-11-E-129 Photocopy of original construction drawing, dated 3 March 1936. (Original print in the possession of U.S. Army Corps of Engineers, Portland District, Portland, OR.) (P-12-26)
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- OR-11-E-134 Photocopy of original construction drawing, dated 29 March 1940. (Original print in the possession of U.S. Army Corps of Engineers, Portland District, Portland, OR.) (P-40-9)
LONGITUDINAL SECTION AT UNIT 10 AND ASSEMBLY BAY.
- OR-11-E-135 Photocopy of original construction drawing, dated 30 March 1940. (Original print in the possession of U.S. Army Corps of Engineers, Portland District, Portland, OR.) (P-40-7)
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(Original print in the possession of U.S. Army Corps of
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(Original print in the possession of U.S. Army Corps of
Engineers, Portland District, Portland, OR.) (P-40-10)
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- OR-11-E-138 Photocopy of original construction drawing, dated 2 October 1946.
(Original print in the possession of U.S. Army Corps of
Engineers, Portland District, Portland, OR.) (P-45-25)
POWERHOUSE DOWNSTREAM ELEVATION.
- OR-11-E-139 Photocopy of original construction drawing, dated 2 October 1946.
(Original print in the possession of U.S. Army Corps of
Engineers, Portland District, Portland, OR.) (P-45-26)
POWERHOUSE UPSTREAM ELEVATION.
- OR-11-E-140 Photocopy of original construction drawing, dated 2 October 1946.
(Original print in the possession of U.S. Army Corps of
Engineers, Portland District, Portland, OR.) (P-45-28)
POWERHOUSE SUBSTRUCTURE SECTIONS.
- OR-11-E-141 Photocopy of original construction drawing, dated 2 October 1940.
(Original print in the possession of U.S. Army Corps of
Engineers, Portland District, Portland, OR.) (P-45-29)
POWERHOUSE LONGITUDINAL SECTION.
- OR-11-E-142 Photocopy of original construction drawing, dated 2 October 1946.
(Original print in the possession of U.S. Army Corps of
Engineers, Portland District, Portland, OR.) (P-45-30)
POWERHOUSE SECTIONAL PLAN.
- OR-11-E-143 Photocopy of original construction drawing, undated. (Original
print in the possession of U.S. Army Corps of Engineers, Portland
District, Portland, OR.) (P-11-340, Sheet 1 of 3)
POWERHOUSE, FLOOR PLANS, GENERAL PIPING ARRANGEMENT.
- OR-11-E-144 Photocopy of original construction drawing, undated. (Original
print in the possession of U.S. Army Corps of Engineers, Portland
District, Portland, OR.) (P-11-340, Sheet 2 of 3)
POWERHOUSE, FLOOR PLANS, GENERAL PIPING ARRANGEMENT.
- OR-11-E-145 Photocopy of original construction drawing, undated. (Original
print in the possession of U.S. Army Corps of Engineers, Portland
District, Portland, OR.) (P-11-340, Sheet 3 of 3)
POWERHOUSE, FLOOR PLANS, GENERAL PIPING ARRANGEMENT.

OR-11-E-146 Photocopy of original construction drawing, undated. (Original print in the possession of U.S. Army Corps of Engineers, Portland District, Portland, OR.)
GENERAL ARRANGEMENT POWERHOUSE FISH LOCKS.

NOTE: For written historical and descriptive data, please see the Bonneville Project main entry, HAER No. OR-11.